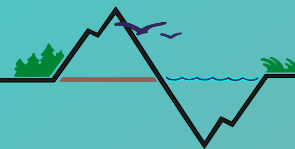


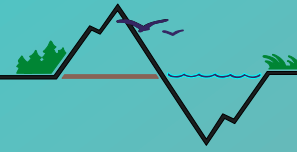
Who is the Science Collaborative?

- University of New Hampshire Team
- NOAA Estuarine Research Division
- 28 NERRS
- Coastal Communities
- Purpose:
 - fosters multidisciplinary, collaborative research,
 - works as part of the NERRS, makes available effective, science-based tools,
 - catalyzes collaboration across geographic and organizational boundaries,
 - addresses barriers to the application of science.



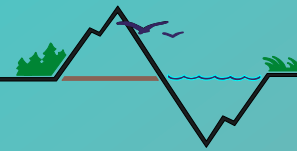
Issues Areas Identified for the Science Collaborative Grant

- Changing land use
 - Habitat change and restoration
 - Estuarine contamination
 - Storm water management
-
- All of the above are in the context of the needs of local communities surrounding the NERRS



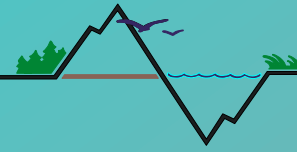
Big Goal: funding science that gets applied

- Resources to integrate science and management
- Engagement of intended users throughout the process
- Process to ensure funds are distributed fairly
- External perspectives to insure broader relevance



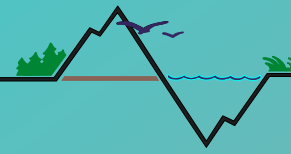
KBRR Science Collaborative Idea Statement

- Earthquakes
 - Since a major earthquake in 1964, models have projected uplift of up to 60cm in the Bay area.
 - The model was based on a limited number of sites near Kachemak Bay.
- Glaciers are melting at a fairly rapid rate
 - The weight released from the earth's surface as glaciers retreat has caused rebound or uplift in some areas in Alaska.
- Regional Sea Level Rise
 - Important to understand sea level rise projections in the context of land level change
- The waters in Kachemak Bay are fed by 15 glaciers
 - The increased melt water is rich in nutrients and sediments which influence the community ecology in the Bay.



What We Hope to Accomplish

- A final report that summarizes land and sea level changes in our area and provide information to our partners in a useful and efficient way to assist with local decision making processes
- Establishment of long-term monitoring sites to continue to monitor changes beyond the study period
- Develop a team of well trained Citizen Scientists who can participate in the long-term monitoring
- Through outreach and education, identify additional users of the information generated



How will this be accomplished?

- We will be evaluating and adapting our list of project outcomes through our regularly scheduled meetings
- We will be getting a little bit of mud on us in the local salt marshes
- We all will be learning something useful!

